

07/06/16

B4549



**BAY AREA AIR QUALITY
MANAGEMENT DISTRICT**

939 ELLIS STREET
SAN FRANCISCO, CALIFORNIA 94109
(415) 771-6000

**PERMIT
TO OPERATE**

Plant# 14549

Page: 1

Expires: JUL 1, 2018

This document does not permit the holder to violate any District regulation or other law.

Joint Genome Institute
2800 Mitchell Drive
Walnut Creek, CA 94598

Location: 2800 Mitchell Drive
Walnut Creek, CA 94598

S#	DESCRIPTION	[Schedule]	PAID
1	Standby Diesel engine, 587 hp, Caterpillar S/N 4ZR04448 Diesel Engine, Caterpillar model 3406, emergency standby Emissions at: P2 Stack	[B,730 days]	468
2	Standby Diesel engine, 587 hp, Caterpillar S/N 4ZR06240 Diesel Engine, Caterpillar model 3402, emergency standby Emissions at: P1 Stack	[B,730 days]	468

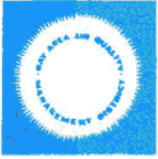
2 Permitted Sources

*** See attached Permit Conditions ***

The operating parameters described above are based on information supplied by permit holder and may differ from the limits set forth in the attached conditions of the Permit to Operate. The limits of operation in the permit conditions are not to be exceeded. Exceeding these limits is considered a violation of District regulations subject to enforcement action.

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Page: 2

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*** PERMIT CONDITIONS ***

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Source# 1	subject to Condition	ID# 22820
Source# 2	" " "	ID# 22820

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Page: 3

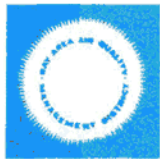
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COND# 22820 *applies to S#'s 1, 2*

1. The owner/operator shall not exceed 20 hours per year per engine for reliability-related testing.
Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]
2. The owner/operator shall operate each emergency standby engine only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, State or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing). Operating while mitigating emergency conditions or while emission testing to show compliance with District, State or Federal emission limits is not limited.
[Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]
3. The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained.
[Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]
4. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 36 months from the date of entry (60 months if the facility has been issued a Title V Major Facility Review Permit or a Synthetic Minor Operating Permit). Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.
 - a. Hours of operation for reliability-related activities (maintenance and testing).
 - b. Hours of operation for emission testing to show compliance with emission limits.
 - c. Hours of operation (emergency).
 - d. For each emergency, the nature of the emergency condition.
 - e. Fuel usage for each engine(s).



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[Basis: Title 17, California Code of Regulations,
section 93115, ATCM for Stationary CI Engines]

5. At School and Near-School Operation:

If the emergency standby engine is located on school grounds or within 500 feet of any school grounds, the following requirements shall apply:

The owner/operator shall not operate each stationary emergency standby diesel-fueled engine for non-emergency use, including maintenance and testing, during the following periods:

- a. Whenever there is a school sponsored activity (if the engine is located on school grounds)
- b. Between 7:30 a.m. and 3:30 p.m. on days when school is in session.

"School" or "School Grounds" means any public or private school used for the purposes of the education of more than 12 children in kindergarten or any of grades 1 to 12, inclusive, but does not include any private school in which education is primarily conducted in a private home(s). "School" or "School Grounds" includes any building or structure, playground, athletic field, or other areas of school property but does not include unimproved school property.

[Basis: Title 17, California Code of Regulations,
section 93115, ATCM for Stationary CI Engines]

~~~~~ END OF CONDITIONS ~~~~~

| S#          | Source Description                         | Annual Average lbs/day |     |     |     |     |
|-------------|--------------------------------------------|------------------------|-----|-----|-----|-----|
|             |                                            | PART                   | ORG | NOx | SO2 | CO  |
| 1           | Diesel Engine, Caterpillar model 3406, eme | -                      | -   | .02 | -   | .03 |
| 2           | Diesel Engine, Caterpillar model 3402, eme | -                      | -   | .02 | -   | .03 |
| T O T A L S |                                            |                        |     | .04 |     | .05 |